

Serial No. 10/087,236  
Page 5

VERSION WITH MARKINGS TO SHOW CHANGES MADE IN CLAIMS

1. (Amended) An electric traction motor for a vehicle comprising:

a housing;

a wound stator field located in said housing;

a rotor magnetically interacting with said wound stator field;

5 high energy magnets configured in said rotor; [and]

low energy magnets configured in said rotor;

wherein said high energy and low energy permanent magnets are injected into said rotor in liquid form.

9. (Amended) The electric traction motor of Claim [9] 1 wherein said high energy and low energy magnets include a polymer.

10. (Amended) An electric traction motor comprising:

a housing;

a wound stator field located in said housing;

a rotor magnetically interacting with said wound stator field, said rotor including an

5 array of cavities;

a first magnetic material configured in a portion of said array of cavities; [and]

a second magnetic material configured in a portion of said array of cavities; and

wherein said first magnetic material and said second magnetic material are injected into said rotor in liquid form.